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Wyoming and Western South Dakota—Timber Production and Mill Residues, 1983

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RESEARCH SUMMARY

Wyoming's industrial roundwood production in 1983 was 30 million cubic feet, up 17 percent from 1976, and the same as that of 1969. Sawlog production was 29 million cubic feet. No round pulpwood production was reported in 1983. The mill residues volume was estimated at 19.1 million cubic feet. The volume of residues used was 11.4 million cubic feet.

South Dakota's industrial roundwood production reached a new high of 23.1 million cubic feet. Sawlog production was 22 million cubic feet, while pulpwood dropped to less than 250,000 cubic feet. Mill residues produced were 21.5 million cubic feet. The volume of mill residues used was 15.3 million cubic feet.

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INTRODUCTION

This bulletin reports the estimated timber production[1] of Wyoming and western South Dakota (west of the 103d meridian) in 1983, coinciding with the year of forest inventory in those States.

The data for this report were obtained by canvassing primary wood processing plants in 1984. These plants, sawmills, and yards were identified from "The 1980-81 Wyoming Timber Industries Directory," updated by the Wyoming Timber Industry Association and the Wyoming State Forestry Division, from a directory of sawmills supplied and updated by the South Dakota Department of Agriculture/Division of Forestry, and from information supplied by National Forest personnel in Wyoming and South Dakota.

WYOMING

In 1983, Wyoming's timber production was 30 million cubic feet, up 17 percent from 1976's 25.7 million cubic feet and equaling the 1969 production (fig. 1).

Sawlog production, 29.5 million cubic feet (tables 1 to 3), made up 98 percent of the harvest and was a 5.9 million cubic feet (25 percent) increase over the 1976 sawlog production of 23.6 million cubic feet. A less dramatic rate of increase results, only 7.6 percent, if the two are compared using board foot measure: 135.6 million board feet, Scribner rule, produced in 1976 and 146 million board feet in 1983. The difference in the percentage increase between the two measures, cubic feet and board feet, is due to the different board foot/cubic foot conversion factors used in 1976 and 1983 for sawlog production. In 1976, the

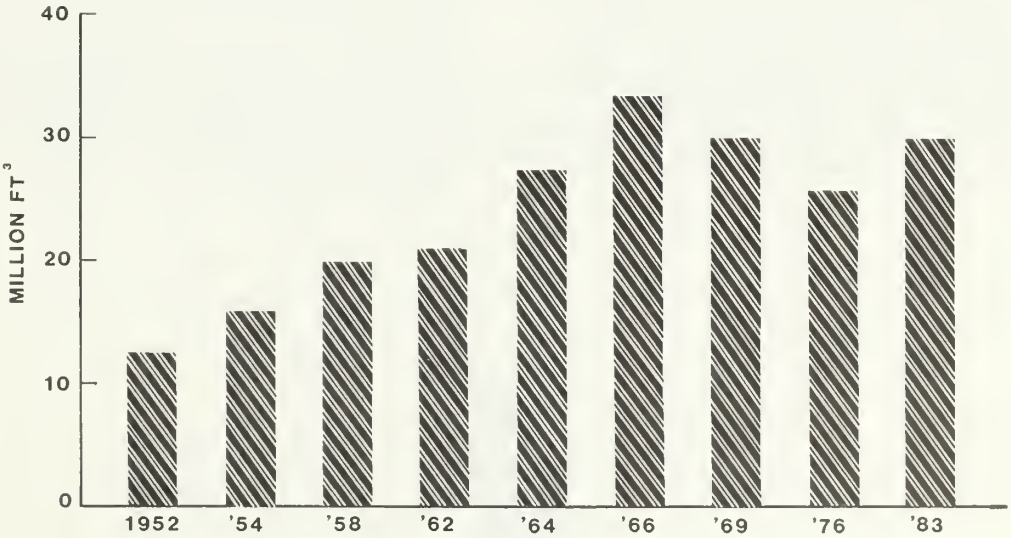

Figure 1—Wyoming's industrial roundwood harvest by selected years (Keegan and others 1979; Setzer 1971).

[1]The harvest of timber products. Also called industrial roundwood production. Timber products or industrial roundwood products refer to logs, bolts, or other round sections cut from trees for industrial or consumer use and delivered "in the round" as logs or bolts to sawmills, plants, or yards. Timber products, in this report, do not include fuelwood, but do include sawlogs, house logs, pulpwood, poles, posts, mine timbers, and landscaping timbers.

ratio 1 cubic foot to 5.75 board feet, Scribner rule, was used. The ratio was changed for 1983 sawlog production to 1 cubic foot equals 4.95 board feet, Scribner rule. The new conversion factor resulted from measurements collected on active logging operations in Wyoming in 1984. Appendix I contains detailed conversion factors.

The remaining harvest, about 500,000 cubic feet, comprised poles, posts, house logs, landscaping timbers, and mine timbers. There was no reported pulpwood harvest in 1983. Of the harvest, 69 percent went to mills with annual production capacities of over 10 million board feet, lumber tally (table 4).

Ponderosa pine (*Pinus ponderosa*), 14 million cubic feet, and lodgepole pine (*Pinus contorta*), 12 million cubic feet, combined for 89 percent of the harvest (tables 2, 5, 6; fig. 2). More than 94 percent, 28.4 million cubic feet (138.9 million board feet, Scribner rule or 166 million board feet, International ¼-inch rule) were from live trees. Growing-stock removals[2] due to harvest were 30.2 million cubic feet, and sawtimber removals[3] were 138.2 million board feet, Scribner rule, or 164.9 million board feet, International ¼-inch rule.

Twelve million cubic feet, 40 percent of Wyoming's production, were harvested in Crook County (tables 3, 6, 7; fig. 3).

As would be expected, the largest part of the harvest was from National Forests, almost 20 million cubic feet or 66 percent of the total (tables 1, 5, and 7). Almost 9 million cubic feet (29 percent) were harvested from privately owned lands.

Seven million cubic feet were delivered to mills in States other than Wyoming. Although the 1983 harvest was more than 4 million cubic feet over that of 1976, the 1983 mill residues volume decreased more than 2 million cubic feet (fig. 4). Because mill residue is a function of many things, including the volume of logs processed rather than the volume of logs harvested, the author chooses not to speculate on comparisons of the 1976/1983 estimates of residues volumes. In 1983 the proportion of bark and fine residues used increased, and coarse residue remained about the same compared to 1976. Totals of 20 percent of the bark, 6 percent of the coarse, and 15 percent of the fine residues were used as hogged fuel, while 61 percent of the coarse residue was used by the pulp industry (table 8). Board plants used 11 percent of the fines, while 23 percent were used for livestock bedding, landscaping, and by the oil/gas and mining industries. Totals of 68 percent of the bark, 23 percent of the coarse, and 51 percent of the fine residues were unused.

Tables 9-20 give board-foot volume data to correspond to the first eight tables.

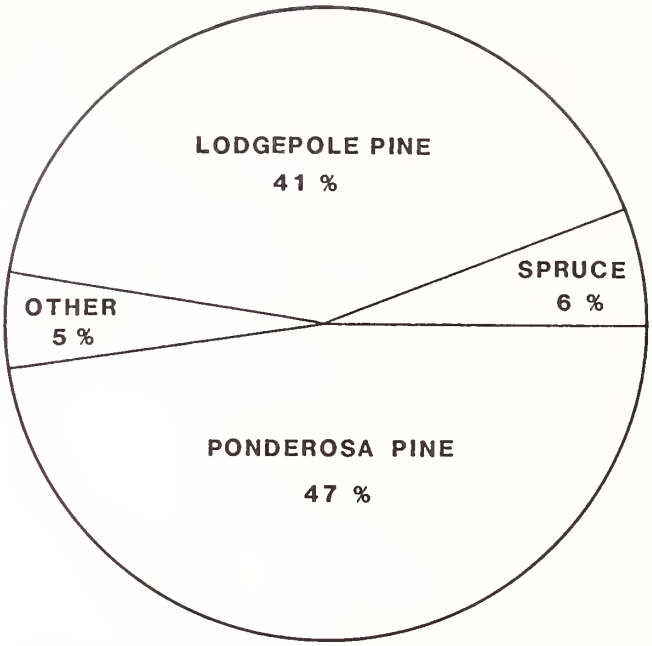

Figure 2—Industrial roundwood products harvested in Wyoming by species, 1983.

[2]The growing-stock volume "removed" from the standing inventory and delivered to wood processing plants or left in the forest as slash. Growing-stock volume is the net cubic-foot volume of wood in live trees from a stump 1 foot high to a 4.0-inch diameter top, outside bark. Such trees must be timber trees, those traditionally harvested for lumber products (excludes pinyon, juniper, ornamentals, and fruit trees), must have a central stem at least 5 inches in diameter at breast height (d.b.h.), and must meet specified standards of quality and vigor, thus excluding cull trees.

[3]The sawtimber volume "removed" from the standing inventory. Sawtimber volume is the net volume in board feet of the sawlog portion of live sawtimber trees; that is, the volume between a 1-foot stump and a 7-inch diameter top of sound (noncull) timber trees at least 9 inches d.b.h. (11 inches d.b.h. for aspen and cottonwood).

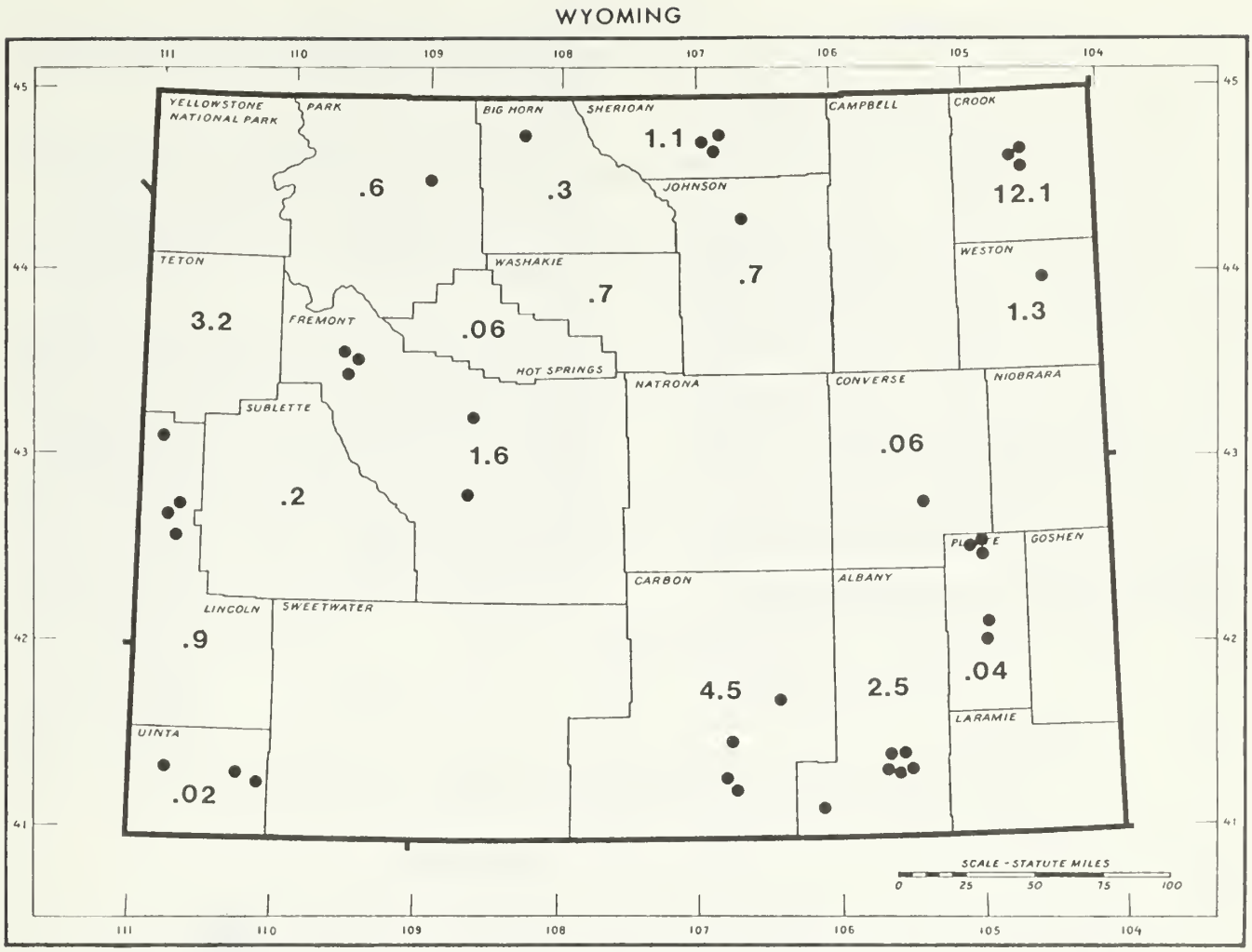

Figure 3—Industrial roundwood production by county in millions of cubic feet and locations of primary wood processors in Wyoming, 1983 (from mill canvass respondents).

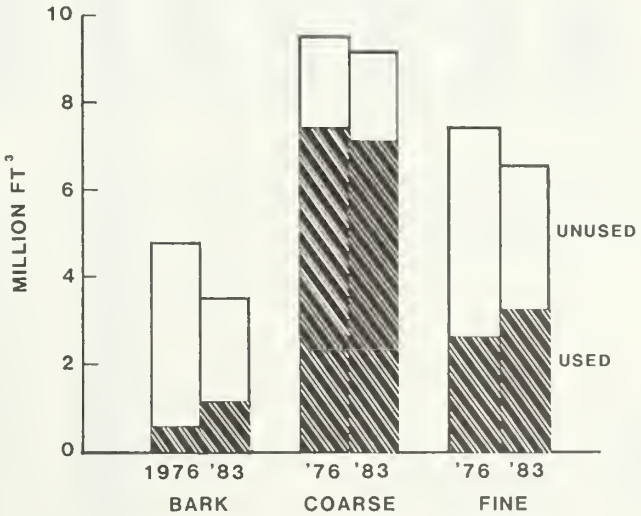

Figure 4—A comparison of used and unused residues from mills in Wyoming, 1976 and 1983, in million cubic feet.

WESTERN SOUTH DAKOTA

In 1983 western South Dakota recorded a record industrial roundwood harvest of 23.1 million cubic feet, up 5.1 million cubic feet (28 percent) from the reported 1974 harvest, the previous record year (fig. 5). (Appendix I contains detailed conversion factors.)

Sawlog production was 22 million cubic feet (96 percent of the industrial roundwood harvest) (tables 21-23). Pulpwood production dropped to less than 250,000 cubic feet (less than 1 percent). In 1974, sawlogs composed only two-thirds of the harvest, with pulpwood at 3.8 million cubic feet or 21 percent of the total harvest. The remainder of the 1983 production comprised posts and poles.

Of the harvest, 76 percent went to mills with capacities exceeding 10 million board feet (table 24), and 7 million cubic feet (30 percent) went to mills in States other than South Dakota, primarily Wyoming. A total of 18.5 million cubic feet (80 percent) were harvested from National Forest lands. Most of the remainder came from private lands (tables 22, 25, 26).

Pennington and Lawrence Counties, with production volumes of about 8 million cubic feet each (tables 21, 25, 27; fig. 6), accounted for 70 percent of the harvest. County comparisons for previous years are unavailable in cubic volume, but are presented in board feet, International ¼-inch rule, in figure 7.

Live tree harvest was 22.9 million cubic feet (99 percent) or 114.8 million board feet, Scribner rule (135.2 million board feet, International ¼-inch rule).

Growing stock removals were 24.6 million cubic feet; removals from sawtimber were 115.2 million board feet, Scribner (135.7 million board feet, International ¼-inch rule).

Residues produced by mills in South Dakota in 1983 increased by 13.7 million cubic feet (178 percent) compared to the volume produced in 1974 (fig. 8). Use of fine residues increased from 36 percent in 1974 to 61 percent in 1983; 75 percent of the bark residue was used in 1983, mostly as hogged fuel, compared to 8 percent in 1974 (table 28). The use of coarse residue declined from 1974, when 87 percent was used, to 79 percent in 1983 (mostly converted to pulp chips).

Tables 29-40 give board-foot volume data to correspond to tables 21-28.

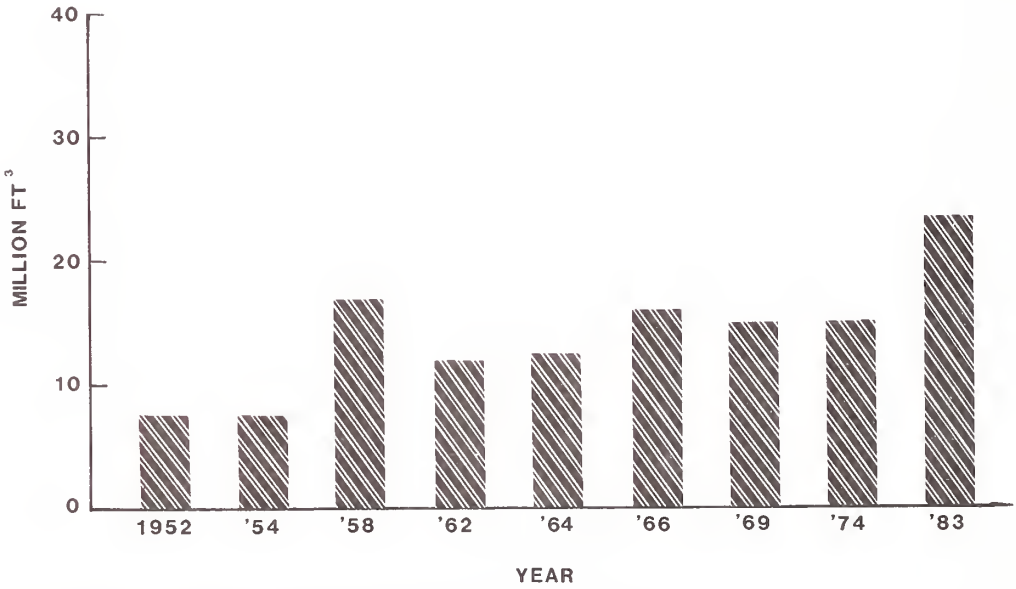

Figure 5—Western South Dakota's industrial roundwood harvest by selected years (Setzer and Barrett 1977; Setzer 1971).

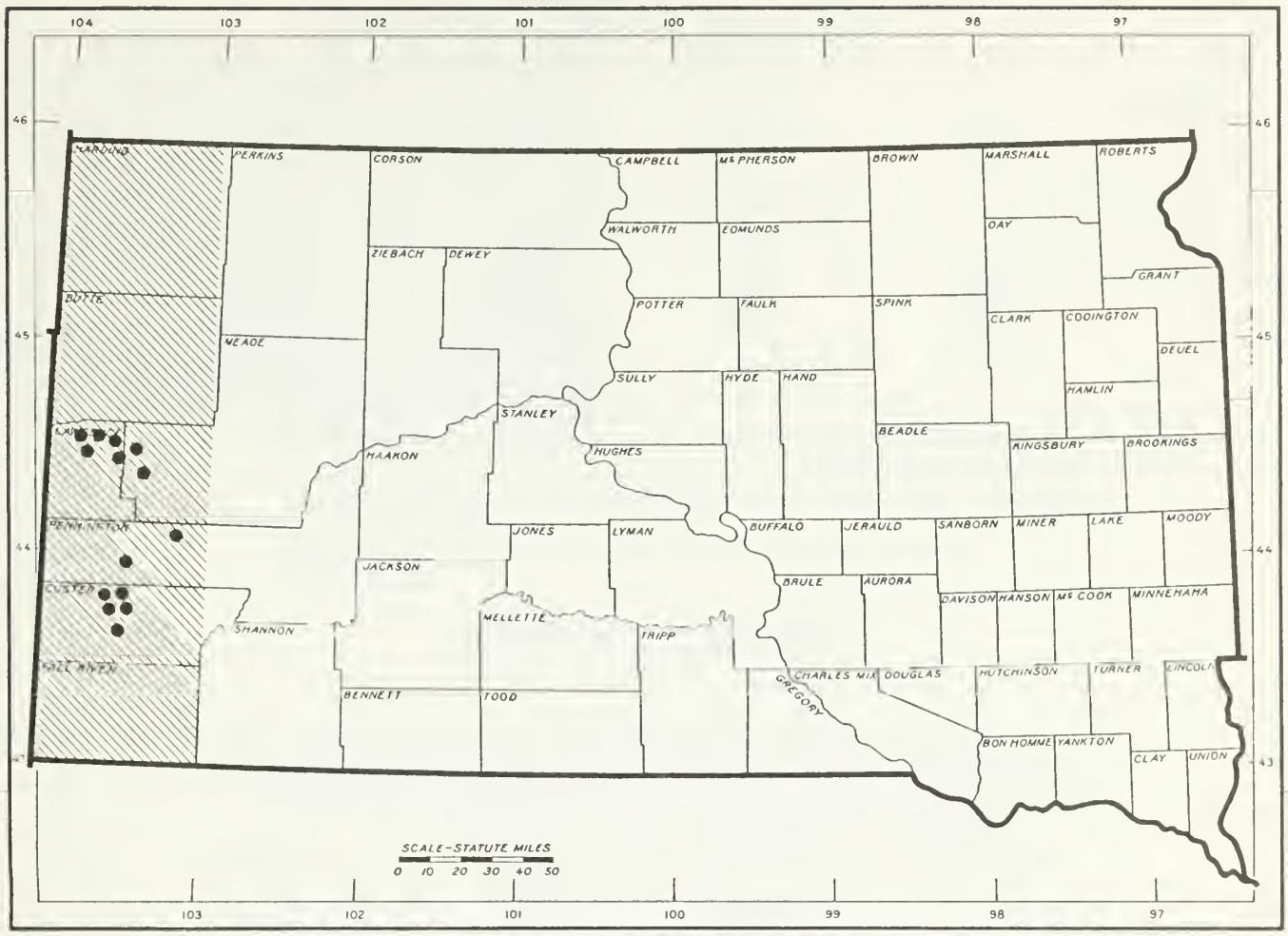

Figure 6—Locations of primary wood processors in western South Dakota, 1983 (from mill canvass respondents).

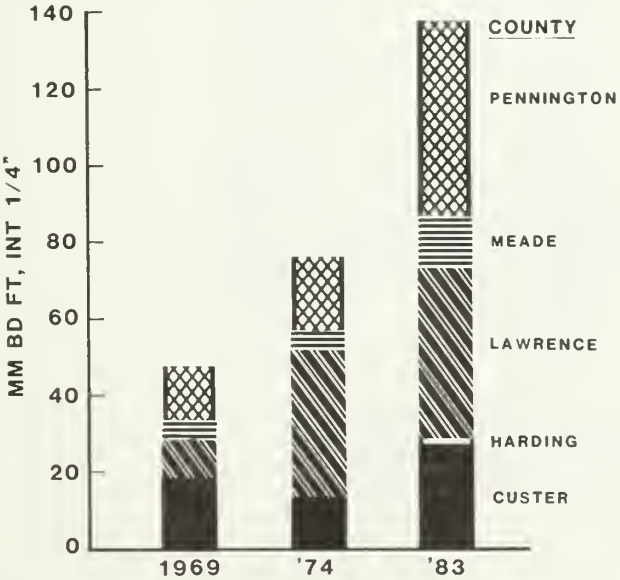

Figure 7—Western South Dakota's industrial roundwood production by county for selected years.

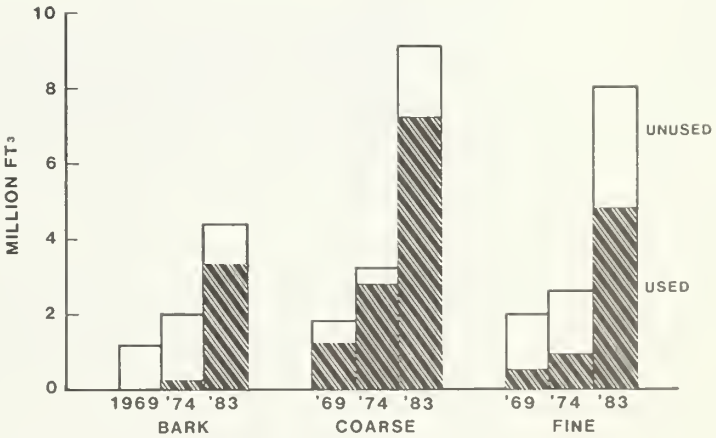

Figure 8—A comparison of used and unused residues from mills in western South Dakota, 1969, 1974, and 1983, in million cubic feet.

PRIMARY WOOD PROCESSORS

Primary wood processing plants responding to the 1984 canvass:

Wyoming (fig. 3)	
Sawmills	29
Sawmills/post and pole yards	5
Post and pole yards	3
House log plants	2
House log plant/sawmills	2
South Dakota (fig. 6)	
Sawmills	14
Other States	
Sawmills	1
Post and pole yards	2

Appendixes II and III are directories of processing plants in Wyoming and western South Dakota.

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TABLES FOR WYOMING

Table 1--Cubic volume of industrial roundwood products harvested in Wyoming by land owner or management agency category and product category, 1983

Owner	Sawlogs	Other products[1]	Total industrial[2]
	Thousand cubic feet		
National Forest	19,262	497	19,759
Other Federal[3]	1,062	--	1,062
State	440	6	446
Private	8,733	19	8,752
Total[2]	29,496	522	30,019

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.

[2]Data may not add to totals due to truncating or rounding.

[3]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 2--Cubic volume of industrial roundwood products harvested in Wyoming by species and product category, 1983

Species	Sawlogs	Other products[1]	Total industrial[2]
	- - - - - - - -	Thousand cubic feet	- - - - - - - - -
True firs	503	--	503
Spruce	1,902	26	1,928
Lodgepole pine	11,990	439	12,429
Ponderosa pine	14,138	43	14,181
Douglas-fir	937	14	951
Other softwoods[3]	19	--	19
Cottonwood	7	--	7
Total[2]	29,496	522	30,019

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.
[2]Data may not add to totals due to truncating or rounding.
[3]Limber pine.

Table 3--Cubic volume of industrial roundwood products harvested in Wyoming by county of origin and product category, 1983

County	Sawlogs	Other products[1]	Total industrial[2]
	- - - - - - - -	Thousand cubic feet	- - - - - - - - -
Albany	2,484	42	2,527
Big Horn	241	77	318
Carbon	4,298	157	4,455
Converse	44	19	64
Crook	12,116	20	12,136
Fremont	1,565	36	1,601
Hot Springs	61	--	61
Johnson	715	6	721
Lincoln	937	--	937
Park	525	61	586
Platte	38	--	38
Sheridan	1,073	--	1,073
Sublette	196	--	196
Teton	3,111	94	3,205
Uinta	10	10	20
Washakie	746	--	746
Weston	1,336	--	1,336
Total[2]	29,496	522	30,019

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.
[2]Data may not add to totals due to truncating or rounding.

Table 4--Cubic volume of industrial roundwood products harvested in Wyoming by size of mill, plant, or yard receiving products, 1983

Mill capacity	Production
Million board feet	Million cubic feet
More than 10	20.8
5.1 - 10	3.1
1.1 - 5	3.6
1 or less	2.5
Total	30.0

Table 5--Cubic volume of industrial roundwood products harvested in Wyoming by species and land owner or management agency category, 1983

Species	Owner				Total industrial[2]
	National Forest	Other Federal[1]	State	Private	
	Thousand cubic feet				
True fir	414	89	--	--	503
Spruce	1,610	150	7	161	1,928
Lodgepole pine	11,069	744	34	582	12,429
Ponderosa pine	5,819	71	386	7,905	14,181
Douglas-fir	825	4	18	104	951
Other softwoods[3]	14	3	1	--	19
Cottonwood	7	--	--	--	7
Total[2]	19,759	1,062	446	8,752	30,019

[1]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

[2]Data may not add to totals due to truncating or rounding.

[3]Limber pine.

Table 6--Cubic volume of industrial roundwood products harvested in Wyoming by county of origin and species, 1983

County	Species							Total[2]
	True firs	Spruce	Lodgepole pine	Ponderosa pine	Douglas-fir	Other softwoods[1]	Cottonwood	
	Thousand cubic feet							
Albany	107	276	2,119	24	--	--	--	2,527
Big Horn	--	7	219	50	42	--	--	318
Carbon	385	642	3,428	--	--	--	--	4,455
Converse	--	--	21	42	--	--	--	64
Crook	--	135	18	11,983	--	--	--	12,136
Fremont	--	252	1,350	--	--	--	--	1,601
Hot Springs	--	5	45	--	6	4	--	61
Johnson	--	20	318	198	163	14	7	721
Lincoln	--	70	637	--	230	--	--	937
Park	--	188	327	--	71	--	--	586
Platte	--	--	--	38	--	--	--	38
Sheridan	--	--	558	300	215	--	--	1,073
Sublette	9	40	146	--	--	--	--	196
Teton	2	293	2,834	--	76	--	--	3,205
Uinta	--	--	20	--	--	--	--	20
Washakie	--	--	388	209	149	--	--	746
Weston	--	--	--	1,336	--	--	--	1,336
Total[2]	503	1,928	12,429	14,181	951	19	7	30,019

[1]Limber pine.
[2]Data may not add to totals due to truncating or rounding.

Table 7--Cubic volume of industrial roundwood products harvested in Wyoming by county of origin and land owner or management agency category, 1983

County	Owner				Total[2]
	National Forest	Other Federal[1]	State	Private	
	Thousand cubic feet				
Albany	2,527	--	--	--	2,527
Big Horn	318	--	--	--	318
Carbon	3,642	813	--	--	4,455
Converse	14	--	14	35	64
Crook	5,227	--	207	6,702	12,136
Fremont	1,129	81	10	381	1,601
Hot Springs	--	42	18	--	61
Johnson	352	--	24	345	721
Lincoln	937	--	--	--	937
Park	586	--	--	--	586
Platte	18	--	20	--	38
Sheridan	897	--	1	175	1,073
Sublette	196	--	--	--	196
Teton	3,150	54	--	--	3,205
Uinta	20	--	--	--	20
Washakie	746	--	--	--	746
Weston	--	71	152	1,114	1,336
Total[2]	19,759	1,062	446	8,752	30,019

[1]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.
[2]Data may not add to totals due to truncating or rounding.

Table 8--Estimated cubic volumes of used and unused residues produced by primary wood processing plants in Wyoming, 1983

Residues	Used				Total unused[1]	Total used and unused[1]
	Product					
	Pulp and boards	Hogged fuel	Other	Total used[1]		
	Thousand cubic feet					
Bark	--	718	408	1,126 (32%)	2,400	3,526
Coarse	5,559	563	946	7,068 (77%)	2,060	9,128
Fine	732	1,004	1,474	3,210 (49%)	3,291	6,501
Total[1]	6,291	2,285	2,828	11,404 (60%)	7,751	19,155

[1]Data may not add to totals due to truncating or rounding.

Table 9--Board-foot volume of industrial roundwood products harvested in Wyoming by land owner or management agency category and product category, 1983

Owner	Sawlogs	Other products[1]	Total industrial[2]
	Thousand board feet, Scribner rule		
National Forest	95,354	963	96,317
Other Federal[3]	5,255	--	5,255
State	2,181	18	2,198
Private	43,232	95	43,327
Total[2]	146,022	1,076	147,098

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.

[2]Data may not add to totals due to truncating or rounding.

[3]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 10--Board-foot volume of industrial roundwood products harvested in Wyoming by land owner or management agency category and product category, 1983

Owner	Sawlogs	Other products[1]	Total industrial[2]
	Thousand board feet, International ¼-inch rule		
National Forest	113,948	1,151	115,099
Other Federal[3]	6,280	--	6,280
State	2,606	21	2,627
Private	51,662	114	51,776
Total[2]	174,496	1,286	175,782

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.

[2]Data may not add to totals due to truncating or rounding.

[3]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 11--Board-foot volume of industrial roundwood products harvested in Wyoming by species and product category, 1983

Species	Sawlogs	Other products[1]	Total industrial[2]
	- - - Thousand board feet, Scribner rule - - -		
True firs	2,490	2	2,492
Spruce	9,417	111	9,528
Lodgepole pine	59,358	700	60,058
Ponderosa pine	69,988	215	70,203
Douglas-fir	4,640	48	4,688
Other softwoods[3]	93	--	93
Cottonwood	36	--	36
Total[2]	146,022	1,076	147,098

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.

[2]Data may not add to totals due to truncating or rounding.

[3]Limber pine.

Table 12--Board-foot volume of industrial roundwood products harvested in Wyoming by species and product category, 1983

Species	Sawlogs	Other products[1]	Total industrial[2]
	Thousand board feet, International ¼-inch rule		
True firs	2,976	2	2,978
Spruce	11,253	133	11,386
Lodgepole pine	70,933	837	71,770
Ponderosa pine	83,636	257	83,892
Douglas-fir	5,545	57	5,602
Other softwoods[3]	111	--	111
Cottonwood	43	--	43
Total[2]	174,497	1,286	175,782

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.
[2]Data may not add to totals due to truncating or rounding.
[3]Limber pine.

Table 13--Board-foot volume of industrial roundwood products harvested in Wyoming by county of origin and product category, 1983

County	Sawlogs	Other products[1]	Total industrial[2]
	- - - Thousand board feet, Scribner rule - - -		
Albany	12,300	120	12,420
Big Horn	1,194	119	1,313
Carbon	21,276	94	21,370
Converse	220	95	315
Crook	59,980	100	60,080
Fremont	7,746	180	7,926
Hot Springs	300	--	300
Johnson	3,538	18	3,556
Lincoln	4,640	--	4,640
Park	2,600	300	2,900
Platte	190	--	190
Sheridan	5,312	--	5,312
Sublette	969	--	969
Teton	15,400	--	15,400
Uinta	50	50	100
Washakie	3,692	--	3,692
Weston	6,615	--	6,615
Total[2]	146,022	1,076	147,098

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.
[2]Data may not add to totals due to truncating or rounding.

Table 14--Board-foot volume of industrial roundwood products harvested in Wyoming by county of origin and product category, 1983

County	Sawlogs	Other products[1]	Total industrial[2]
	Thousand board feet, International ¼-inch rule		
Albany	14,698	143	14,842
Big Horn	1,427	142	1,569
Carbon	25,425	112	25,537
Converse	263	114	376
Crook	71,676	120	71,796
Fremont	9,256	215	9,472
Hot Springs	358	--	358
Johnson	4,228	21	4,249
Lincoln	5,545	--	5,545
Park	3,107	359	3,466
Platte	227	--	227
Sheridan	6,348	--	6,348
Sublette	1,158	--	1,158
Teton	18,403	--	18,403
Uinta	60	60	120
Washakie	4,412	--	4,412
Weston	7,905	--	7,905
Total[2]	174,496	1,286	175,782

[1]Includes utility and building poles, posts, house logs, landscaping timbers, and mine timbers.

[2]Data may not add to totals due to truncating or rounding.

Table 15--Board-foot volume of industrial roundwood products harvested in Wyoming by species and land owner or management agency category, 1983

Species	Owner				Total industrial[2]
	National Forest	Other Federal[1]	State	Private	
	Thousand board feet, Scribner rule				
True firs	2,049	443	--	--	2,492
Spruce	7,958	741	31	797	9,528
Lodgepole pine	53,325	3,685	167	2,881	60,058
Ponderosa pine	28,806	350	1,912	39,135	70,203
Douglas-fir	4,070	21	82	514	4,688
Other softwoods[3]	72	15	6	--	93
Cottonwood	36	--	--	--	36
Total[2]	96,317	5,255	2,198	43,327	147,098

[1]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

[2]Data may not add to totals due to truncating or rounding.

[3]Limber pine.

Table 16--Board-foot volume of industrial roundwood products harvested in Wyoming by species and land owner or management agency category, 1983

Species	Owner				Total industrial[2]
	National Forest	Other Federal[1]	State	Private	
	- - - Thousand board feet, International ¼-inch rule - - -				
True firs	2,449	529	--	--	2,978
Spruce	9,510	886	37	953	11,386
Lodgepole pine	63,723	4,404	200	3,442	71,770
Ponderosa pine	34,424	418	2,284	46,766	83,892
Douglas-fir	4,864	25	98	614	5,602
Other softwoods[3]	86	18	8	--	111
Cottonwood	43	--	--	--	43
Total[2]	115,099	6,280	2,627	51,776	175,782

[1]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.
[2]Data may not add to totals due to truncating or rounding.
[3]Limber pine.

Table 17--Board-foot volume of industrial roundwood products harvested in Wyoming by county of origin and species, 1983

County	Species							Total[2]
	True firs	Spruce	Lodgepole pine	Ponderosa pine	Douglas-fir	Other softwoods[1]	Cottonwood	
	- - - - - - - - - - - - - - - - - - Thousand board feet, Scribner rule - - - - - - - - - - - - - - - - -							
Albany	531	1,368	10,401	120	--	--	--	12,420
Big Horn	--	20	850	247	196	--	--	1,313
Carbon	1,906	3,176	16,288	--	--	--	--	21,370
Converse	--	--	105	210	--	--	--	315
Crook	--	670	90	59,320	--	--	--	60,080
Fremont	--	1,245	6,681	--	--	--	--	7,926
Hot Springs	--	24	225	--	30	21	--	300
Johnson	--	96	1,574	980	798	72	36	3,556
Lincoln	--	348	3,154	--	1,138	--	--	4,640
Park	--	930	1,620	--	350	--	--	2,900
Platte	--	--	--	190	--	--	--	190
Sheridan	--	--	2,762	1,487	1,062	--	--	5,312
Sublette	45	199	725	--	--	--	--	969
Teton	10	1,452	13,563	--	375	--	--	15,400
Uinta	--	--	100	--	--	--	--	100
Washakie	--	--	1,920	1,034	738	--	--	3,692
Weston	--	--	--	6,615	--	--	--	6,615
Total[2]	2,492	9,528	60,058	70,203	4,688	93	36	147,098

[1]Limber pine.
[2]Data may not add to totals due to truncating or rounding.

Table 18--Board-foot volume of industrial roundwood products harvested in Wyoming by county of origin and species, 1983

County	Species							Total[2]
	True firs	Spruce	Lodgepole pine	Ponderosa pine	Douglas-fir	Other softwoods[1]	Cottonwood	
	Thousand board feet, International ¼-inch rule							
Albany	634	1,635	12,429	143	--	--	--	14,842
Big Horn	--	24	1,016	295	234	--	--	1,569
Carbon	2,278	3,795	19,464	--	--	--	--	25,537
Converse	--	--	125	251	--	--	--	376
Crook	--	801	108	70,887	--	--	--	71,796
Fremont	--	1,488	7,984	--	--	--	--	9,472
Hot Springs	--	29	269	--	36	25	--	358
Johnson	--	114	1,881	1,171	953	86	43	4,249
Lincoln	--	416	3,769	--	1,360	--	--	5,545
Park	--	1,111	1,936	--	418	--	--	3,466
Platte	--	--	--	227	--	--	--	227
Sheridan	--	--	3,301	1,777	1,270	--	--	6,348
Sublette	54	238	867	--	--	--	--	1,158
Teton	12	1,736	16,207	--	448	--	--	18,403
Uinta	--	--	120	--	--	--	--	120
Washakie	--	--	2,294	1,235	882	--	--	4,412
Weston	--	--	--	7,905	--	--	--	7,905
Total[2]	2,978	11,386	71,770	83,892	5,602	111	43	175,782

[1]Limber pine.
[2]Data may not add to totals due to truncating or rounding.

Table 19--Board-foot volume of industrial roundwood products harvested in Wyoming by county of origin and land owner or management agency category, 1983

County	Owner				Total[2]
	National Forest	Other Federal[1]	State	Private	
	Thousand board feet, Scribner				
Albany	12,420	--	--	--	12,420
Big Horn	1,313	--	--	--	1,313
Carbon	17,345	4,025	--	--	21,370
Converse	70	--	70	175	315
Crook	25,875	--	1,025	33,180	60,080
Fremont	5,590	400	50	1,886	7,926
Hot Springs	--	210	90	--	300
Johnson	1,742	--	108	1,706	3,556
Lincoln	4,640	--	--	--	4,640
Park	2,900	--	--	--	2,900
Platte	90	--	100	--	190
Sheridan	4,441	--	6	865	5,312
Sublette	969	--	--	--	969
Teton	15,130	270	--	--	15,400
Uinta	100	--	--	--	100
Washakie	3,692	--	--	--	3,692
Weston	--	350	750	5,515	6,615
Total[2]	96,317	5,255	2,198	43,327	147,098

[1]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.
[2]Data may not add to totals due to truncating or rounding.

Table 20--Board-foot volume of industrial roundwood products harvested in Wyoming by county of origin and land owner or management agency category, 1983

County	Owner				Total[2]
	National Forest	Other Federal[1]	State	Private	
	- - - - Thousand board feet, International ¼-inch rule - - - -				
Albany	14,842	--	--	--	14,842
Big Horn	1,569	--	--	--	1,569
Carbon	20,727	4,810	--	--	25,537
Converse	84	--	84	209	376
Crook	30,921	--	1,225	39,650	71,796
Fremont	6,680	478	60	2,254	9,472
Hot Springs	--	251	108	--	358
Johnson	2,082	--	128	2,039	4,249
Lincoln	5,545	--	--	--	5,545
Park	3,466	--	--	--	3,466
Platte	108	--	120	--	227
Sheridan	5,307	--	7	1,034	6,348
Sublette	1,158	--	--	--	1,158
Teton	18,080	323	--	--	18,403
Uinta	120	--	--	--	120
Washakie	4,412	--	--	--	4,412
Weston	--	418	896	6,590	7,905
Total[2]	115,099	6,280	2,627	51,776	175,782

[1]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.
[2]Data may not add to totals due to truncating or rounding.

TABLES FOR WESTERN SOUTH DAKOTA

Table 21--Cubic volume of industrial roundwood products harvested in western South Dakota by county of origin and product category, 1983

County	Industrial roundwood products		
	Sawlogs	Other products[1]	Total industrial[2]
	Thousand cubic feet		
Custer	4,295	350	4,645
Harding	146	--	146
Lawrence	7,466	480	7,946
Meade	2,010	106	2,116
Pennington	8,243	15	8,258
Total[2]	22,160	951	23,111

[1]Includes utility and building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.

Table 22--Cubic volume of industrial roundwood products harvested in western South Dakota by land owner or management agency category and product category, 1983

Owner	Sawlogs	Other products[1]	Total industrial[2]
	Thousand cubic feet		
National Forest	17,945	601	18,547
Other Federal[3]	144	--	144
State	583	--	583
Private	3,487	350	3,837
Total[2]	22,160	951	23,111

[1]Includes utility building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.
[3]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 23--Cubic volume of industrial roundwood products harvested in western South Dakota by species and product category, 1983

Species	Sawlogs	Other products[1]	Total industrial[2]
	- - - - - - - - - -	Thousand cubic feet	- - - - - - - - - -
Ponderosa pine	21,778	939	22,717
White spruce	382	13	394
Total[2]	22,160	951	23,111

[1]Includes utility and building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.

Table 24--Cubic volume of industrial roundwood products harvested in western South Dakota by size of mill, plant, or yard receiving products, 1983

Mill capacity	Production
Million board feet	Million cubic feet
More than 10	17.7
5.1 - 10	1.6
1.1 - 5	2.6
1 or less	1.2
Total	23.1

Table 25--Cubic volume of industrial roundwood products harvested in western South Dakota by county of origin and land owner or management agency category, 1983

County	Owner				Total industrial[2]
	National Forest	State	Other Federal[1]	Private	
	- - - - - - - - - - - -		Thousand cubic feet		- - - - - - - - - - - -
Custer	3,556	583	31	475	4,645
Harding	--	--	--	146	146
Lawrence	6,126	--	114	1,706	7,946
Meade	1,225	--	--	891	2,116
Pennington	7,640	--	--	618	8,258
Total[2]	18,547	583	144	3,837	23,111

[1]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.
[2]Data may not add to totals due to truncating or rounding.

Table 26--Cubic volume of industrial roundwood products harvested in western South Dakota by land owner or management agency category and species, 1983

Owner	Species		
	Ponderosa pine	White spruce	Total industrial[1]
	Thousand cubic feet		
National Forest	18,232	315	18,547
State	584	--	583
Other Federal[2]	140	4	144
Private	3,762	75	3,837
Total[1]	22,717	394	23,111

[1]Data may not add to totals due to truncating or rounding.
[2]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 27--Cubic volume of industrial roundwood products harvested in western South Dakota by county of origin and species, 1983

County	Species		
	Ponderosa pine	White spruce	Total industrial[1]
	Thousand cubic feet		
Custer	4,610	35	4,645
Harding	146	--	146
Lawrence	7,819	127	7,946
Meade	2,091	25	2,116
Pennington	8,051	207	8,258
Total[1]	22,717	394	23,111

[1]Data may not add to totals due to truncating or rounding.

Table 28--Estimated cubic volumes of used and unused residues produced by primary wood processing plants in western South Dakota, 1983

Residues	Used				Total unused[1]	Total used and unused[1]
	Product					
	Pulp	Hogged fuel	Other	Total used[1]		
	Thousand cubic feet					
Bark	--	3,118	171	3,289 (75%)	1,083	4,372
Coarse	6,507	478	165	7,150 (79%)	1,906	9,056
Fine	402	867	3,558	4,827 (61%)	3,210	8,037
Total[1]	6,909	4,463	3,894	15,266 (71%)	6,199	21,465

[1]Data may not add to totals due to truncating or rounding.

Table 29--Board-foot volume of industrial roundwood products harvested in western South Dakota by county of origin and product category, 1983

County	Sawlogs	Other products[1]	Total industrial[2]
	Thousand board feet, Scribner rule		
Custer	22,371	--	22,371
Harding	760	--	760
Lawrence	38,885	313	39,198
Meade	10,469	202	10,671
Pennington	42,932	32	42,964
Total[2]	115,417	547	115,964

[1]Includes utility and building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.

Table 30--Board-foot volume of industrial roundwood products harvested in western South Dakota by county of origin and product category, 1983

County	Sawlogs	Other products[1]	Total industrial[2]
	Thousand board feet, International ¼-inch rule		
Custer	26,353	--	26,353
Harding	895	--	895
Lawrence	45,806	369	46,175
Meade	12,332	238	12,570
Pennington	50,574	38	50,612
Total[2]	135,961	644	136,606

[1]Includes utility and building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.

Table 31--Board-foot volume of industrial roundwood products harvested in western South Dakota by land owner or management agency category and product category, 1983

Owner	Sawlogs	Other products[1]	Total industrial[2]
	- - - - Thousand board feet, Scribner rule - - - - -		
National Forest	93,466	547	94,013
Other Federal[3]	752	--	752
State	3,039	--	3,039
Private	18,160	--	18,160
Total[1]	115,417	547	115,964

[1]Includes utility building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.
[3]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 32--Board-foot volume of industrial roundwood products harvested in western South Dakota by land owner or management agency category and product category, 1983

Owner	Sawlogs	Other products[1]	Total industrial[2]
	Thousand board feet, International ¼-inch rule		
National Forest	110,103	644	110,747
Other Federal[3]	886	--	886
State	3,580	--	3,580
Private	21,392	--	21,392
Total[2]	135,961	644	136,606

[1]Includes utility building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.
[3]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 33--Board-foot volume of industrial roundwood products harvested in western South Dakota by species and product category, 1983

Species	Sawlogs	Other products[1]	Total industrial[2]
	- - - - - Thousand board feet, Scribner rule - - - - - -		
Ponderosa pine	113,429	547	113,976
White spruce	1,988	--	1,988
Total[2]	115,417	547	115,964

[1]Includes utility and building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.

Table 34--Board-foot volume of industrial roundwood products harvested in western South Dakota by species and product category, 1983

Species	Sawlogs	Other products[1]	Total industrial[2]
	- - Thousand board feet, International ¼-inch rule - -		
Ponderosa pine	133,620	644	134,264
White spruce	2,342	--	2,342
Total[2]	135,961	644	136,606

[1]Includes utility and building poles, posts, and pulpwood.
[2]Data may not add to totals due to truncating or rounding.

Table 35--Board-foot volume of industrial roundwood products harvested in western South Dakota by county of origin and land owner or management agency category, 1983

County	Owner				Total industrial[2]
	National Forest	State	Other Federal[1]	Private	
	- - - - - - - - Thousand board feet, Scribner rule - - - - - - -				
Custer	18,519	3,039	160	653	22,371
Harding	--	--	--	760	760
Lawrence	29,719	--	592	8,887	39,198
Meade	6,031	--	--	4,640	10,671
Pennington	39,744	--	--	3,220	42,964
Total[2]	94,013	3,039	752	18,160	115,964

[1]Land managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.
[2]Data may not add to totals due to truncating or rounding.

Table 36--Board-foot volume of industrial roundwood products harvested in western South Dakota by county of origin and land owner or management agency category, 1983

County	Owner				Total industrial[2]
	National Forest	State	Other Federal[1]	Private	
	- - - - Thousand board feet, International ¼-inch rule - - - -				
Custer	21,815	3,580	188	769	26,353
Harding	--	--	--	895	895
Lawrence	35,009	--	697	10,469	46,175
Meade	7,104	--	--	5,466	12,570
Pennington	46,818	--	--	3,793	50,612
Total[2]	110,747	3,580	886	21,392	136,606

[1]Lands managed by Federal agencies other than USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.
[2]Data may not add to totals due to truncating or rounding.

Table 37--Board-foot volume of industrial roundwood products harvested in western South Dakota by county of origin and species, 1983

County	Species		Total industrial[1]
	Ponderosa pine	White spruce	
	- - - - - - - Thousand board feet, Scribner rule - - - - -		
Custer	22,187	184	22,371
Harding	760	--	760
Lawrence	38,604	594	39,198
Meade	10,539	132	10,671
Pennington	41,886	1,078	42,964
Total[1]	113,976	1,988	115,964

[1]Data may not add to totals due to truncating or rounding.

Table 38--Board-foot volume of industrial roundwood products harvested in western South Dakota by county of origin and species, 1983

County	Species		
	Ponderosa pine	White spruce	Total industrial[1]
	- - - Thousand board feet, International ¼-inch rule - - -		
Custer	26,136	216	26,353
Harding	895	--	895
Lawrence	45,475	700	46,175
Meade	12,415	156	12,570
Pennington	49,342	1,270	50,612
Total[1]	134,264	2,342	136,606

[1]Data may not add to totals due to truncating or rounding.

Table 39--Board-foot volume of industrial roundwood products harvested in western South Dakota by land owner or management agency category and species, 1983

Owner	Species		
	Ponderosa pine	White spruce	Total industrial[1]
	- - - - - - Thousand board feet, Scribner rule - - - - -		
National Forest	92,438	1,575	94,013
State	3,039	--	3,039
Other Federal[2]	731	21	752
Private	17,769	391	18,160
Total[1]	113,976	1,988	115,964

[1]Data may not add to totals due to truncating or rounding.
[2]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

Table 40--Board-foot volume of industrial roundwood products harvested in western South Dakota by land owner or management agency category and species, 1983

Owner	Species		
	Ponderosa pine	White spruce	Total industrial[1]
	- - Thousand board feet, International ¼-inch rule - -		
National Forest	108,892	1,856	110,747
State	3,580	--	3,580
Other Federal[2]	861	25	886
Private	20,932	461	21,392
Total[1]	134,264	2,342	136,606

[1]Data may not add to totals due to truncating or rounding.

[2]Lands managed by Federal agencies other than the USDA Forest Service, such as Department of Defense, Bureau of Land Management, and Bureau of Reclamation.

APPENDIX I: CONVERSION FACTORS

Table 41--Conversion factors used in this publication for Wyoming data.

Product	Cubic feet	Board feet, Scribner	Board feet, International ¼-inch rule
Sawlogs, house logs, mine and landscaping timbers[1]	1	4.951	5.916
Utility, corral, and building poles[2]	1	1.391	1.656
Posts[2]	1	.178	.212
Mill residues[3]			
1 bone dry unit (BDU) =	100	--	--

[1]From timber utilization data collected on active logging operations in Wyoming in 1984.

[2]From mill canvass data, converted to cubic feet and board feet based on reported dimensions. Segments of posts and poles with small end diameters of less than 6 inches have zero board feet, resulting in average board feet/cubic feet conversions that appear somewhat inconsistent.

[3]From Bureau of Business and Economics Research, University of Montana, Missoula.

Table 42--Conversion factors used in this publication for western South Dakota data.

Product	Cubic feet	Board feet, Scribner	Board feet, International ¼-inch rule	Cords
Sawlogs[1]	1	5.208	6.135	--
Utility, corral, and building poles[2]	1	3.099	3.649	--
Posts[2]	1	.329	.387	--
Pulp[3]	72.516	0	0	1
Mill residues[4]				
1 bone dry unit (BDU) = 100				

[1]From timber utilization data collected on active logging operations in South Dakota in 1984.

[2]From mill canvass data, converted to cubic feet and board feet based on reported dimensions. Segments of posts and poles with small end diameters of less than 6 inches have zero board feet, resulting in average board feet/cubic feet conversions that appear somewhat inconsistent.

[3]Area standard for South Dakota from USDA Forest Service.

[4]From Bureau of Business and Economic Research, University of Montana, Missoula.

APPENDIX II: DIRECTORY OF PRIMARY WOOD PROCESSING PLANTS IN WYOMING

County	Name of plant	Mill location	Type of plant
Albany	Authentic Homes Corp. P.O. Box 1288 Laramie, WY 82070 (307)742-7530 Mike Jolovich	Laramie	Sawmill, house log plant
Albany	Big Hollow Wood Products 1219 South 4th Laramie, WY 82070 (307)745-7406 Robert Hopkins	Laramie	Sawmill, post and pole yard
Albany	Big Horn Lumber Co., Inc. P.O. Box 479 Laramie, WY 82070 (307)742-3237 Dean Alexander	Laramie	Sawmill
Albany	Brandt & Wicklund Forest Products, Inc. Box 7 Fox Park, WY 82057 (307)745-5994 Marvin Brandt	Fox Park	Sawmill
Albany	Crabtree Posts & Poles 4053 Coalmont Rt. Laramie, WY 82070 (307)742-4516 Mrs. Crabtree		
Albany	Lodgepole Products Co. P.O. Box 1409 Laramie, WY 82070 (307)742-6992 Norman Tyser	145 Sand Creek Rd. Laramie	Sawmill, post and pole yard
Albany	Precision Logs 5920 Chaparral Rd. Laramie, WY 82070 (307)745-7739 R. L. Wagner	Laramie	House log plant
Big Horn	Gross Wholesale 37 Bighorn Ave. Lovell, WY 82431 no telephone David C. Gross	Lovell	Sawmill
Carbon	Bockman Timber Company Box 352 Encampment, WY 82325 (307)327-5713 Gary Bockman	Saratoga	Post and pole yard
Carbon	Hammer Lumber & Timber Encampment, WY 82325 (307)327-5157 Mike Hammer	Encampment	Sawmill
Carbon	Louisiana Pacific-Saratoga Plant P.O. Box 809 Saratoga, WY 82331 (307)326-5241 Larry Eggers	517 E. Bridge Ave. Saratoga	Sawmill

(con.)

APPENDIX II (Con.)

County	Name of plant	Mill location	Type of plant
Carbon	Platte Valley Timber & Construction P.O. Box 154 Encampment, WY 82325 (307)327-5784 Fred Lorenz	Encampment	Sawmill
Carbon	Wyola Wood Products P.O. Box 74 Elk Mountain, WY 82324 (307)348-7373 Scott W. Krey	County Rd. 402 Elk Mountain	Sawmill
Converse	Stinson Sawmill, Inc. P.O. Box 535 Douglas, WY 82633 (307)358-3283 Gary Stinson	Douglas	Sawmill
Crook	Hulett Post & Pole, Inc. P.O. Box 248 Hulett, WY 82720 (307)467-5789 Phil Neiman	Hulett	Sawmill
Crook	Johnson Sawmill P.O. Box 176 Hulett, WY 82720 (307)467-5725 Jessie Johnson	Hulett	Sawmill
Crook	Neiman Sawmill, Inc. DBA Devil's Tower Forest Products P.O. Box 218 Hulett, WY 82720 (307)467-5252 Jim Neiman, Jr.	Hulett	Sawmill
Fremont	D. M. Wilson Lumber, Inc. P.O. Box 202 Dubois, WY 82513 (307)455-2717 D. M. Wilson	Dubois	Sawmill, house log plant
Fremont	Louisiana Pacific P.O. Box 787 Dubois, WY 82513 (307)455-2239	Dubois	Sawmill
Fremont	S&S Wood Products P.O. Box 44 Pavillion, WY 82523 (307)856-5170 Orville D. Stevens	12 North Pavillion Rd. Pavillion	Sawmill
Fremont	Wind River Ranch P.O. Box 278 Dubois, WY 82513 Frank Cole	West of Dubois	Sawmill
Fremont	Wyoming Wood Products, Inc. Rt. 63, Box 471 Lander, WY 82520 (307)332-4542 Patrick C. Hickerson	North 2d St. Lander	Sawmill
Hot Springs	Grasscreek Lumber P.O. Box 426 Meeteetse, WY 82433 (307)867-2361 Shane Scott	Meeteetse	Sawmill

APPENDIX II (Con.)

County	Name of plant	Mill location	Type of plant
Johnson	Buckingham Lumber Co., Inc. P.O. Box L Buffalo, WY 82834 (307)684-2231 Anna Buckingham	East of Buffalo	Sawmill
Lincoln	Dry Creek Lumber P.O. Box 151 Smoot, WY 85126 (307)886-9840 Bart Johnson	Smoot	Sawmill
Lincoln	Leavitt Lumber Co. P.O. Box 96 Kamas, UT 84036 (801)783-4678 Stan Leavitt	Alpine, WY	Sawmill
Lincoln	Star Studs P.O. Box 517 Afton, WY 83110 (307)886-3144	Afton	Sawmill
Lincoln	Valley Lumber Co. 44 E. 4th Ave. Afton, WY 83110 (307)886-3316 Arthur C. Schwab	Afton	Sawmill
Park	Cody Lumber, Inc. P.O. Box 757 Cody, WY 82414 (307)587-2642 Michael E. Hanson	Cody	Sawmill
Platte	American Recycling Co. P.O. Box 412 Wheatland, WY 82201 (307)322-4511 Hubert Nickle	Wheatland	Pole and landscaping timber yard
Platte	Cole Lumber & Construction, Inc. Harris Park Rt. Wheatland, WY 82201 (307)322-2139 Stanley Cole	Wheatland	Sawmill
Platte	McVay Log Homes P.O. Box 126 Glendo, WY 82213 (307)735-4236 F. H. McVay	Glendo	House log plant
Platte	McVay Lumber, Inc. P.O. Box 126 Glendo, WY 82213 (307)735-4236 F. H. McVay	Southwest of Glendo	Sawmill
Platte	Wildcat Post & Pole Box 253 Glendo, WY 82213 (307)735-4378 John Dailey	Glendo	Post and pole yard
Sheridan	Sheridan Forest Products Corp. Box 6327 Sheridan, WY 82801 (307)672-5263 Mary Novotny	Fort Road Sheridan	Sawmill

(con.)

APPENDIX II (Con.)

County	Name of plant	Mill location	Type of plant
Sheridan	Valley Post & Sawmill Box 913 Sheridan, WY 82801 (307)674-6907 C. E. Sayer		Sawmill, post and pole yard
Sheridan	Wyoming Sawmills, Inc. P.O. Box 6088 Sheridan, WY 82801 (307)672-3051 R. C. Newman	Railroad yards Sheridan	Sawmill
Uinta	Ayres & Baker Pole & Post Co. Box 600 Mountain View, WY 82939 (307)782-3170 Larry Ayres	½ mile north of Mountain View	Sawmill, post and pole yard
Uinta	Bates Lumber Co. Box 158 Mountain View, WY 82939 (307)782-6194 Norman Bates	Mountain View	Sawmill
Uinta	Fenus Lumber Co. Box 309 Mountain View, WY 82939 (307)782-3395 Edward Fenus	On ranch	Sawmill
Uinta	South & Jones Timber Co. P.O. Box 788 Evanston, WY 82930 (307)789-2398 Dan L. South	Evanston	Sawmill
Weston	Powder River Timber, Inc. P.O. Box 8 Osage, WY 82723 (307)465-2390 Marlys G. Mallams	14 Skull Creek Rd. Osage	Sawmill

APPENDIX III: DIRECTORY OF PRIMARY WOOD PROCESSING PLANTS IN WESTERN SOUTH DAKOTA

County	Name of plant	Mill location	Type of plant
Custer	Custer Lumber Co. P.O. Box 191 Custer, SD 57730	Custer	Sawmill
Custer	Morgan Sawmill Pringle, SD 57773 (605)673-2681 Dave Morgan	Pringle	Sawmill
Custer	Newberg Lumber Co. Rt. 1, Box 97 Custer, SD 57730 (605)673-2398 Dennis Brown	Custer	Sawmill
Custer	O'Conner Lumber Co. Rt. 1, Box 6 Custer, SD 57730 (605)673-4551 Glenn O'Conner	Custer	Sawmill
Custer	R. E. Linde Sawmills, Inc. 639 Harney St. Custer, SD 57730 (605)673-4514 Bob Linde	Custer	Sawmill
Lawrence	Black Hills Resources P.O. Box 504 Spearfish, SD 57783 (605)642-2143 Lee Dutcher	Spearfish	Sawmill
Lawrence	Francis Potter Sawmill HC 30, Box 105 Whitewood, SD 57793 (605)578-2130 Sharry Bennett	Whitewood	Sawmill
Lawrence	Garhart & Pool, Inc. P.O. Box 610 Spearfish, SD 57783 (605)642-3733 John M. Garhart	Whitewood	Sawmill
Lawrence	Heemstra Lumber & Equipment P.O. Box 334 Whitewood, SD 57793 (605)347-6295 Wayne Heemstra	Whitewood	Sawmill
Lawrence	McLaughlin Sawmill Co. St. Onge Star Rt., Box 3B Spearfish, SD 57783 (605)642-2891 Dave Meredith	Spearfish	Sawmill
Lawrence	Wheeler Lumber P.O. Box 8 Whitewood, SD 57793 (605)269-2215 Pat Goldammer	Whitewood	Sawmill
Lawrence	Wood Sawmill P.O. Box 498 Spearfish, SD 57783 (605)642-5162 Jerry Wood	Spearfish	Sawmill

(con.)

APPENDIX III (Con.)

County	Name of plant	Mill location	Type of plant
Meade	Dickerson Forest Products, Inc. Box 730 Sturgis, SD 57785 (605)347-2556 William J. Cacek	Sturgis	Sawmill
Pennington	Continental Lumber Co. P.O. Box 619 Hill City, SD 57745 (605)574-2512 Arlin Bates	Hill City	Sawmill
Pennington	Potter's Sawmill Rt. 8, Box 4350 Rapid City, SD 57702 (605)342-3339 Eugene Potter	Rapid City	Sawmill

McLain, William H. 1987. Wyoming and western South Dakota—timber production and mill residues, 1983. Resour. Bull. INT-45. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 32 p.

Wyoming's industrial roundwood production in 1983 was 30 million cubic feet, up 17 percent from 1976, and the same as that of 1969. Sawlog production was 29 million cubic feet. No round pulpwood production was reported in 1983. The mill residues volume was estimated at 19.1 million cubic feet. The volume of residues used was 11.4 million cubic feet.

South Dakota's industrial roundwood production reached a new high of 23.1 million cubic feet. Sawlog production was 22 million cubic feet, while pulpwood dropped to less than 250,000 cubic feet. Mill residues produced were 21.5 million cubic feet. The volume of mill residues used was 15.3 million cubic feet.

KEYWORDS: timber products output, industrial roundwood, primary wood products.

INTERMOUNTAIN RESEARCH STATION

The Intermountain Research Station provides scientific knowledge and technology to improve management, protection, and use of the forests and rangelands of the Intermountain West. Research is designed to meet the needs of National Forest managers, Federal and State agencies, industry, academic institutions, public and private organizations, and individuals. Results of research are made available through publications, symposia, workshops, training sessions, and personal contacts.

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